TYPICAL undergrand copper twis par network telephone exchange ,,

Cabling of homes for telecommunication , a completed guide to home cabling

|  |
| --- |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| phase |
|  |

Mode 3 mode , 5 equipment

|  |
| --- |
| 1 |
| 2 |
| 3 |
| 4 |
| 5 |
| 6 |
| 7 |
| Bp soket |

Possible fault due coming of the telephone voice port inside the ntd ,

Fault due to switch relay connect in mode 3

Kitc mode

study

bed

family

Basic home networking system typical cabling arragemnt and connector for ftt , typical telephonic and date service connect

security

pc

pc

tv

Wall tos

p

Legend :

Modulator socket CCP

Modulator FTT

Coaxial sock NTD

Coaxial plui PC

OPTIC

Canal of transmission gsm interval time area 577us signal terminology

Wave electromagnetic plane impedance caracteris area ,,E/H=377 ohm

Input,l1,l2,l3,l4

Numeration of voice

BTS

modulator

BSC

D1,d2,d3,d4

codeur

fibre

MSC

decoder

decoder

NETWORK FIXE

Cabling clean inpout ,

4 client : l1,l2,l3,l4

4 direction ,d1,d2,d3,d

Input output band 300-3,4 khz

SCHEMATIS

c

B

Time device

A switch line finder respons at pilote final , connect engineering

-B . Switch final connect

Signal controller , send impulse , etepping relays , interconnector , selector ,pilote ,switch ,,,

Decimal relay rotational test , duplicattest

Div1 dv 2 div 3 , dv4

10. sequence relais , line , cut off, line , decimal control , direct register in the group in which the calling division starter research

B= Zin /zin 1+z2, sq 2

za

V3 zin

Scale method , quadrille

V2

Consummation aun of network unity , captor , can unity stockage , emitor

Polyphaser emitor

Module phase Psk ,

M(t)=cos(wot+fi.o)

Sin a(t)=0 then m ot+k)g(kt

Modulation phase shift keying signal module psk ,

m(t)=sum = infi to k =-infinty .

A.cos(w

Emettor a conversion , direct

Receptor frequence intermediater , heterodyne classe architecture

90 de

lna

Philips tv communication I out connector

Video output pentode

Power pentode

Power pentode

Flip flop

Telemetr

Ir(t)=Vrfcos(w0t)=I(t)variation V1

Qr=(t)Vrf.sin(wot)=Q(t)+variation V2

Insulation in receptor conversion case we cree out mixage voice Iand Q, voltage 2 voice qadra insulation mean level power block in case of component

X(t)

Q(i)

Emettor/receptor low vehicle

antenna

Emitter

af

micror

Composing number

Display

Speeaker

receptor

Circuit resonance , degeneration inductive ,,

Completed plan of position

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Address installation | Property | Installation | Organism control system | Controllogic |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
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Control organism file component installation device system installation low test , high voltage

-radio-technical

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Power amplificatory tv sound basic oscillator line petode tube  Characteristic |  |  |
| 1. Eat 2. Indirect cathode insulated wire / vi 6,3v 3. Source wire v-10.3 4. Use condition nominal rms 5. Voltage anode va -170-250v 6. Voltage grille vg -170-250 7. Voltage 0v 8. Current 9. Coefficient amplificatory k 10. Resistor internal internal ,0,2 –4,6v 11. Capactity grill cg – 14,7 pf 12. Capacity anode ca 0,4 pf 13. Capacity anode grille less 0,6 pf   Vslue limite  Peek voltage anode vap max 7 kv  Voltage of anode va max 300 v  Voltage grill  Cathode current  Energy …time |  |  |
| Power radio |  |  |
| Power telephone cellphone |  |  |
| Power plant , substation ,transmission ,, generation, |  |  |
|  |  |  |
|  |  |  |

Linear measure control framework system log activity energy power ,

Register

cos

va

volt

am

kvarh

kwha

Synchro system

Receptor system server

Emettor